

Attorney Docket No. SAE-005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the U.S. Application of

Satoshi MORI et al.

Attn: Application Branch

Application No. To Be Assigned

Filed: Concurrently herewith

For: THE MANUFACTURING OF IRON DEFICIENT RESISTANT GRASSES

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a list of document known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR 1.56. A copy of the listed document is being submitted to comply with the provisions of 37 CFR 1.97 and 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

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CONCISE EXPLANATION OF RELEVANCE OF EACH DOCUMENT

The documents were cited in the International Search Report (ISR) of PCT/JP00/04425. An English language copy of the International Search Report identifying the relevancy of each document is also enclosed.

Since this Information Disclosure Statement is filed within three months from the filing date in compliance with 37 C.F.R. §1.97(b), no fee is required in connection with its filing.

Applicant respectfully requests that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialled copy of Form PTO-1449 be returned in accordance with MPEP §609.

Respectfully submitted,

January 4, 2002
Date


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OMB No. 0651-0011 (12/31/86)

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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	A1	A. Wallace et al., "Iron Chlorosis in Horticultural Plants", American Society for Horticultural Science, Vol. 75, pp. 819-839 (1960)
	A2	Sei-ichi Takagi et al., "Physiological aspect of magineic acid, a possible phytosiderophore of graminaceous plants," 7(1-5) Journal of Plant Nutrition 469-477 (1984)
	A3	N. Nishizawa et al., "The particular vesicle appearing in barley root cells and its relation to mugineic acid secretion," 10(9-16) Journal of Plant Nutrition 1013-1020 (1987)
	A4	Shinsuke Shojima et al., "Biosynthesis of Phytosiderophores", 93 Plant Physiol. 1497-1503 (04/1990)
	A5	Nami Okumura et al., "An iron deficiency-specific cDNA from barley roots having two homologous cysteine-rich MT domains," 17 Plant Molecular Biology 531-533, Kluwer Academic Publishers (1991)
	A6	S. Mori et al., "Why are young rice plants highly susceptible to iron deficiency", Iron nutrition and interactions in plants. 175-188, Kluwer Academic Publishers (1991)
	A7	Hiromi Nakanishi et al., "Expression of A Gene Specific for Iron Deficiency (Ids3) in the Roots of Hordeum Vulgare," 34(3) Plant Cell Physiol 401-410, JSPP (1993)
	A8	Nami Okumura et al., "A dioxygenase gene (Ids2) expressed under iron deficiency conditions in the roots of Hordeum vulgare", Plant Molecular Biology 25; 705-719, Kluwer Academic Publishers (1994)
	A9	Yukoh Hiei et al., "Efficient transformation of rice (Oryza sativa L.) mediated by Agrobacterium and sequence analysis of the boundaries of the T-DNA", 6(2) The Plant Journal 271-283, (1994)

EXAMINER	DATE CONSIDERED

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

A10	David Eide et al., "A novel iron-regulated metal transporter from plants identified by functional expression in yeast", Vol. 93, pp. 5624-5628, Proc. Natl. Acad. Sci., (05/1996)
A11	Nigel J. Robinson, et al., "The froh gene family from Arabidopsis thaliana: Putative iron-chelate reductases," 196 Plant and Soil 245-248, Kluwer Academic Publishers (1997)
A12	M. Takahashi et al., "Purification, characterization and DNA sequencing of nicotianamine aminotransferase (NAAT-III) expressed in Fe-deficient barley roots," Plant nutrition, 279-280, Kluwer Academic Publishers (1997)
A13	S. Mori, "Reevaluation of the genes induced by iron deficiency in barley roots", Soil Sci, Plant Nutr., 43, 975-980 (1997) ²⁹ _A
A14	Kazuya Suzuki et al., "Formate Dehydrogenase, an Enzyme of Anaerobic Metabolism, is induced by Iron Deficiency in Barley Roots," 116 Plant Physiol 725-732 (1998)
A15	Kyoko Higuchi et al., "Cloning of Nicotianamine Synthase Gene, Novel Genes Involved in the Biosynthesis of Phytosiderophore," 119 Plant Physiology 471-479 (02/1999)
A16	Jian Feng Ma et al., "Biosynthesis of Phytosiderophores in several Triticeae species with different genomes," Vol. 50, No. 334, pp. 723-726, Journal of Experimental Botany, (05/1999)
A17	M. Takahashi et al., "Cloning two genes for nicotianamine aminotransferase, a critical enzyme in iron acquisition (Strategy II) in graminaceous plants", Plant Physiol., vol.121[3] 947-956 (1999)
A18	Reiko Itai et al., "Induced activity of adenine phosphoribosyltransferase (APRT) in iron-deficient barley roots: a possible role for phytosiderophore production", Vol. 51, No. 348, pp. 1179-1188, Journal of Experimental Botany, (07/2000)

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